

WHAT IS CLAIMED IS:

1. An image processing method in which an original image is read photoelectrically to obtain input image data, and the thus obtained input image data is subjected to image processing to obtain output image data, comprising the steps of:

performing first conversion for outputting an image file and second conversion for outputting a print as said image processing on the input image data obtained by a single image reading operation; and

outputting first image data for outputting the image file and second image data for outputting the print.

2. The image processing method according to claim 1, wherein a resolution of said single image reading operation is set in accordance with output information of the print and the image file.

3. The image processing method according to claim 1, wherein said single image reading operation is performed with a resolution corresponding to one of sizes of the image file and the print to be output.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

4. The image processing method according to claim 3, wherein said single image reading operation is performed with a resolution corresponding to a larger number of pixels required for outputting the image file or the print in accordance with the sizes of the image file and the print to be output.

5. The image processing method according to claim 1, wherein at least one of said first conversion for outputting the image file and said second conversion for outputting the print includes an output color conversion, or the output color conversion and an image format conversion as said image processing.

6. The image processing method according to claim 5, wherein said image format conversion selects presence or absence of an image compression, and wherein, when said image compression is performed, said image format conversion also selects presence or absence of a change of compression ratios.

7. The image processing method according to claim 1, wherein said first conversion for outputting the image file and said second conversion for outputting the print

comprise respective sharpness processing as said image processing, and wherein at least one of a method and an intensity of said sharpness processing is changed in accordance with said first conversion for outputting the image file and said second conversion for outputting the print.

8. The image processing method according to claim 1, wherein same processing to be conducted in said first conversion for outputting the image file and said second conversion for outputting the print as said image processing is conducted in common as common processing in both of said first and second conversions.

9. An image processing apparatus that reads an original image photoelectrically to obtain an input image data which is then subjected to image processing to obtain output image data, comprising:

a file converting unit for converting said input image data to first image data for outputting an image file;

a print converting unit for converting said input image data to second image data for outputting a print; and

a switching unit for performing switching operations

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10. The image processing apparatus according to claim 9, wherein a resolution of said single image reading operation is set in accordance with output information of the print and the image file.

12. The image processing apparatus according to claim 11,
wherein said single image reading operation is performed
with a resolution corresponding to a larger number of

pixels required for outputting the image file or the print in accordance with the sizes of the image file and the print to be output.

13. The image processing apparatus according to claim 9, wherein at least one of said file converting unit and said print converting unit includes an output color converting unit, or both the output color conversion and an image format converting unit.

14. The image processing apparatus according to claim 13, wherein said image format converting unit selects presence or absence of an image compression, and wherein, when said image compression is performed, said image format converting unit also selects a change of compression ratios.

15. The image processing apparatus according to claim 9, wherein said file converting unit and said print converting unit perform respective sharpness processing in which at least one of a sharpness processing method and a sharpness intensity is different in accordance with said file converting unit and said print converting unit.

16. The image processing apparatus according to claim 9,

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wherein said file converting unit and said print converting unit have in common a common processing unit which performs same processing.

17. An image processing method in which input image data obtained from an original image is subjected to image processing to obtain output image data, comprising the steps of:

converting the input image data obtained by a single image reading operation to obtain two or more types of output image data which have different data formats from each other; and

outputting the thus obtained two or more types of output image data as said output image data.

18. The image processing method according to claim 17, wherein said two or more types of output image data are two types including first output image data and second output image data.

19. The image processing method according to claim 18, wherein said first output image data is for outputting a print and said second output image data for outputting an image file.

20. An image processing apparatus in which input image data obtained by photoelectrically reading an original image is subjected to image processing to obtain output image data, comprising:

a converting section for converting the input image data obtained by a single image reading operation to two or more types of output image data having different data formats from each other; and

a switching unit for performing switching operations to select a conversion process to be used in said converting section in accordance with at least one type of output image data in the two or more types of output image data having different data formats from each other which are outputted from the converting section.

21. The image processing apparatus according to claim 20, wherein said converting section includes:

a first converting unit for converting said input image data to first output image data; and

a second converting unit for converting said input image data to second output image data which has a different data format from said first output image data; and

wherein switching operations are performed in said

switching unit among a first conversion of the input image data obtained by a single image reading operation only with said first converting unit, a second conversion of said input image data only with said second converting unit, and a third conversion of said input image data with both of said first and second converting units.

22. The image processing apparatus according to claim 21, wherein said first converting unit is a converting unit for a print and said first output image data is for outputting the print, and wherein said second converting unit is a converting unit for an image file and said second output image data is for outputting the image file.

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